## **Amendments To The Claims**

The following list of the claims replaces all prior versions and lists of the claims in this application.

- 1. (Canceled).
- 2. (Currently amended) The method of claim-1 claim 6 wherein the selectively removing at least-a portion of the semiconductor alloy layer comprises etching the altered semiconductor alloy layer.
- 3. (Currently amended) The method of claim 1 claim 6 wherein the selectively removing at least a portion of the semiconductor alloy layer comprises exposing the altered semiconductor alloy layer to an etchant for a period of time until the altered semiconductor alloy layer overlying the source and drain regions is fully removed.
- 4. (Currently amended) The method of claim 3 claim 6 wherein forming a metal silicide region comprises forming a metal silicide region having a metal selected from the group consisting of cobalt and titanium.
- 5. (Currently amended) The method of claim 1 claim 6 wherein removing at least a portion of the altered semiconductor alloy layer comprises using an anisotropic reactive ion etch to remove at least a portion of the semiconductor alloy layer.

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6. (Currently amended) The method of claim 1 A method comprising: providing a semiconductor alloy layer on a semiconductor substrate;

forming a gate structure on the semiconductor alloy layer;

forming source and drain regions in the semiconductor substrate on both sides of the gate structure;

removing at least a portion of the semiconductor alloy layer overlying the source and drain regions; and

forming a metal silicide region over the source and drain regions;

wherein removing at least a portion of the semiconductor alloy layer comprises:

altering at least a portion of the semiconductor alloy layer to a material receptive to a selective removal process; and

selectively removing the altered semiconductor alloy layer from overlying the source and drain regions.

7. (Currently amended) The method of claim 1 wherein removing at least a portion of the semiconductor alloy layer comprises claim 6:

wherein the altering includes oxidizing at least a portion of the semiconductor alloy layer to form a silicon oxide material receptive to a selective wet etch process; and

wherein the selectively removing includes removing the altered semiconductor alloy layer from overlying the source and drain regions.

8. (Currently amended) The method of claim 1 wherein removing at least a portion of the semiconductor alloy layer comprises claim 6:

wherein the altering includes oxidizing at least a portion of the semiconductor alloy layer to form a silicon oxide material receptive to a selective dry etch process; and

wherein the selectively removing includes removing the altered semiconductor alloy layer from overlying the source and drain regions.

9. (Currently amended) The method of claim 1 wherein removing at least a portion of the semiconductor alloy layer comprises claim 6:

wherein the altering includes consuming at least a portion of the semiconductor alloy layer to form a metal silicide material receptive to a selective wet etch process; and

wherein the selectively removing includes removing the altered semiconductor alloy layer from overlying the source and drain regions.

10. (Currently amended) The method of claim 1 wherein removing at least a portion of the semiconductor alloy layer comprises claim 6:

wherein the altering includes consuming at least a portion of the semiconductor alloy layer to form a metal silicide material receptive to a selective dry etch process; and

wherein the selectively removing includes removing the altered semiconductor alloy layer from overlying the source and drain regions.

11. (Currently amended) The method of claim 1 wherein removing at least a portion of the semiconductor alloy layer comprises claim 6:

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wherein the altering includes forming a metal layer over the semiconductor alloy layer overlying the source and drain regions; regions, and annealing the metal layer and the semiconductor alloy layer and forming a metal silicide material; and

wherein the selectively removing includes selectively etching the metal silicide material.

12. (Currently amended) The method of claim 1 wherein removing at least a portion of the semiconductor alloy layer comprises claim 6:

wherein the altering includes forming a metal layer over the semiconductor alloy layer overlying the source and drain regions; regions, and annealing the metal layer and the semiconductor alloy layer and forming a disposable metal silicide material;

wherein the selectively removing includes selectively etching the disposable metal silicide material overlying the source and drain regions; and

including forming a second metal layer; layer, and annealing the second metal layer and forming a second metal silicide material.

13. (Currently amended) The method of claim-1 A method comprising: providing a semiconductor alloy layer on a semiconductor substrate; forming a gate structure on the semiconductor alloy layer;

forming source and drain regions in the semiconductor substrate on both sides of the gate structure;

removing at least a portion of the semiconductor alloy layer overlying the source and drain regions; and

forming a metal silicide region over the source and drain regions;

wherein removing at least a portion of the semiconductor alloy layer comprises:

forming a metal layer over the semiconductor alloy layer overlying the source and drain regions;

annealing the metal layer and the semiconductor alloy layer and forming a metalsemiconductor alloy layer overlying the source and drain regions;

implanting ions of at least one predetermined species into at least a portion of the metalsemiconductor alloy layer; and

annealing the metal-semiconductor alloy layer and forming a metal silicide material.

14. (Currently amended) The method of claim 1 A method comprising:

providing a semiconductor alloy layer on a semiconductor substrate;

forming a gate structure on the semiconductor alloy layer;

forming source and drain regions in the semiconductor substrate on both sides of the gate structure;

removing at least a portion of the semiconductor alloy layer overlying the source and drain regions; and

forming a metal silicide region over the source and drain regions;

wherein removing at least a portion of the semiconductor alloy layer comprises:

forming a metal layer over the semiconductor alloy layer overlying the source and drain regions;

implanting ions of at least one predetermined species into at least a portion of the metal layer;

annealing the metal layer and forming a metal-semiconductor alloy layer overlying the source and drain regions; and

annealing the metal-semiconductor alloy layer and forming a metal silicide material overlying the source and drain regions.

- 15. (Currently amended) The method of claim-1 claim 6 wherein the semiconductor alloy layer comprises SiGe.
- 16. (Currently amended) The method of claim 11 wherein anneal annealing the metal layer comprises performing a rapid thermal anneal process.
- 17. (Original) A method of forming a semiconductor device, comprising:

  forming a gate structure on a semiconductor alloy layer in a semiconductor substrate;

  forming source and drain regions in the semiconductor substrate on both sides of the gate structure;

altering at least a portion of the semiconductor alloy layer overlying the source and drain regions; and

removing, at least partially, the altered semiconductor alloy layer overlying the source and drain regions.

18. (Original) The method of claim 17, further comprising forming a metal silicide layer over the source and drain regions.

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- 19. (Original) The method of claim 17 wherein removing the altered semiconductor alloy layer comprises etching the semiconductor alloy layer.
- 20. (Original) The method of claim 17 wherein removing the altered semiconductor alloy layer comprises exposing the altered semiconductor alloy layer to an etchant for a period of time until the semiconductor alloy layer overlying the source and drain regions is fully removed.
- 21. (Original) The method of claim 18 wherein forming a metal silicide region comprises forming a metal silicide region having a metal selected from the group consisting of cobalt and titanium.
- 22. (Original) The method of claim 17 wherein removing the altered semiconductor alloy layer comprises using an anisotropic reactive ion etch to remove at least a portion of the altered semiconductor alloy layer.
- 23. (Original) The method of claim 17 wherein altering and removing at least a portion of the semiconductor alloy layer comprises:

oxidizing at least a portion of the semiconductor alloy layer to form a silicon oxide material receptive to a selective etch process; and

selectively removing the altered semiconductor alloy layer from overlying the source and drain regions.

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24. (Original) The method of claim 17 wherein altering and removing at least a portion of the semiconductor alloy layer comprises:

consuming at least a portion of the semiconductor alloy layer to form a metal silicide material receptive to a selective etch process; and

selectively removing the altered semiconductor alloy layer from overlying the source and drain regions.

25. (Original) The method of claim 17 wherein altering and removing at least a portion of the semiconductor alloy layer comprises:

forming a metal layer over the semiconductor alloy layer overlying the source and drain regions;

annealing the metal layer and the semiconductor alloy layer and forming a metal silicide material; and

selectively etching the metal silicide material.

26. (Original) The method of claim 17 wherein altering and removing at least a portion of the semiconductor alloy layer comprises:

forming a metal layer over the semiconductor alloy layer overlying the source and drain regions;

annealing the metal layer and the semiconductor alloy layer and forming a disposable metal silicide material;

selectively etching the disposable metal silicide material overlying the source and drain regions;

forming a second metal layer; and

annealing the second metal layer and forming a second metal silicide material.

27. (Original) The method of claim 17 wherein altering and removing at least a portion of the semiconductor alloy layer comprises:

forming a metal layer over the semiconductor alloy layer overlying the source and drain regions;

annealing the metal layer and the semiconductor alloy layer and forming a metalsemiconductor alloy layer overlying the source and drain regions;

implanting ions of at least one predetermined species into at least a portion of the metal-semiconductor alloy layer; and

annealing the metal-semiconductor alloy layer and forming a metal silicide material.

28. (Original) The method of claim 17 wherein altering and removing at least a portion of the semiconductor alloy layer comprises:

forming a metal layer over the semiconductor alloy layer overlying the source and drain regions;

implanting ions of at least one predetermined species into at least a portion of the metal layer;

annealing the metal layer and forming a metal-semiconductor alloy layer overlying the source and drain regions; and

annealing the metal-semiconductor alloy layer and forming a metal silicide material overlying the source and drain regions.

29. (Original) The method of claim 17 wherein the semiconductor alloy layer comprises SiGe.

Claims 30-33 (Canceled).